Abstract

A door module for covering a surface cut-out recess in the inside panel of a vehicle door includes a substantially rigid portion of long glass fiber reinforced plastic, and a substantially elastic portion of plastic substantially free of long glass fibers and formed integrally with the substantially rigid portion. A compression moulding set for manufacturing a door module for a vehicle door includes a mould for receiving a long glass fiber enriched plastic material, and for shaping a substantially rigid portion of the door module during compression moulding; and a stamp for exerting pressure on the long glass fiber enriched plastic material received in the mould, the stamp having one or more cavities of such dimensions that during compression moulding, plastic material substantially free of long glass fibers is forced into at least part of the one or more cavities, thereby to shape a substantially elastic portion of the door module. A process of manufacturing a door module for a vehicle door includes the steps of providing a mould for shaping a substantially rigid portion of the door module; filling the mould with a long glass fiber enriched plastic material; exerting pressure on the long glass fiber enriched plastic material received in the mould using a stamp comprising one or more cavities of such dimensions that during plastic material substantially free of long glass fibers is forced into at least part of the one or more cavities; and hardening of the substantially rigid and substantially elastic portions.